

Owners Name: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Phone _____ Cell Phone: _____

Installers Name: _____

Address: _____

Phone: _____ Cell Phone: _____

Location of wastewater installation:

Address: _____
(if address is unknown, enter nearest address)

Subdivision: _____ Lot #: _____

Section: _____ Twnshp: _____ Range: _____

Tax ID # _____

Sketch map with directions to property location, including nearest major roads.

Please use the attached document, which must accompany this permit application, to compute percolation rate, and enter the rate below.

Perc rate: _____ minutes per inch. Depth to groundwater: _____ ft.

Water source: _____
(well, spring, municipal, cistern, etc.)

Type of structure to be served: _____
(single family res, business, shop, etc.)

ABSORPTION FIELD AREA

(Circle Sq Ft requirement)

N u m b e r o f B e d r o o m s

Perc Rate (mpi)	1	2	3	4	5	6
1-5	200	400	600	800	1000	1200
6-10	250	500	750	1000	1250	1500
11-20	333	667	1000	1333	1667	2000
21-30	429	857	1286	1714	2143	2571
31-60	500	1000	1500	2000	2500	3000

TANK INFORMATION

Septic tanks must have two compartments, baffles and two access hatches / cleanouts.

Residential Discharge = _____ # of bedrooms x 150 gpd = _____ GPD

Commercial Discharge = _____ # of employees x 30 gpd = _____ GPD

Non-residential uses, enhanced and systems producing > 750 gallons per day must be stamped by a State of Wyoming registered engineer.

Sewage Discharge (gallons per day)	Tank Capacity
0-600	1000
601- 750	1250
751- 900	1500
900- 1050	1750
1050 – 1200	2000

Tank manufacturer: _____

Capacity: _____ gallons Type: _____
(concrete, polyethylene, fiberglass, other)

Minimum Separation Distances

Septic Tank

5 ft from buildings
10 ft from property lines
25 ft from water pipes
50 ft from water (wells, floodplain, streams, irrigation, etc.)

Leach Field

4 ft above groundwater
10 ft from septic tank
10 ft from property lines
25 ft from buildings
25 ft from water pipes
50 ft from water (streams, etc)
100 ft from wells

Inspections are required. 24 hours notice shall be given to schedule an inspection. The inspector shall have a 2 hour grace period from the time of the scheduled inspection prior to the installer backfilling the system without inspection. If approval is given to backfill without an inspection, or the inspector fails to inspect, the installer shall submit as-constructed drawings and certify the system was installed in accordance with all regulations. If backfilled without approval or without allowing the inspector adequate grace period, the system shall be exposed at the installer's expense for inspection.

I certify the site characteristics, percolation rate and depth to groundwater have been established by approved methods and are accurate within reasonable tolerance. When a submitted system plan has been approved, I certify the system will be constructed as authorized under the provisions of the permit and all applicable rules and regulations.

Property Owner

Date

Do not begin construction until you have verified the location of all irrigation and other easements, and been assigned a permit number.

**FOR OFFICE USE ONLY
PERMIT TO CONSTRUCT**

RECEIPT # _____

PERMIT # _____

Designated Local Official

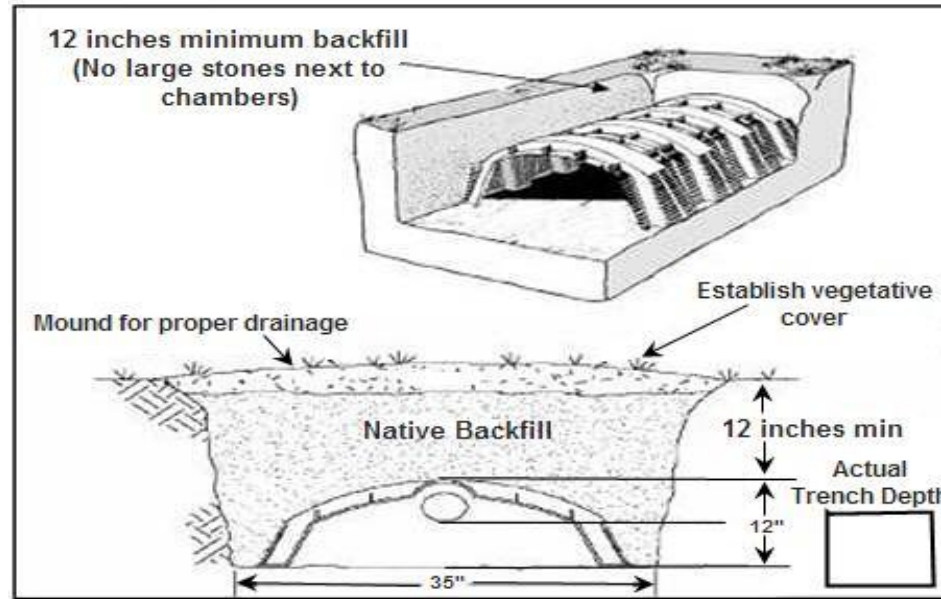
Date:

Inspection Date: _____ Inspector Approval: _____

Comments: _____

Site Plan

Include the location of the septic tank and drainfield, the layout of the drainfield lines and length, leach field replacement area, water systems (irrigation ditches, streams, water lines, wells, etc.) structures, property lines and other significant features. Include distance between plotted items.



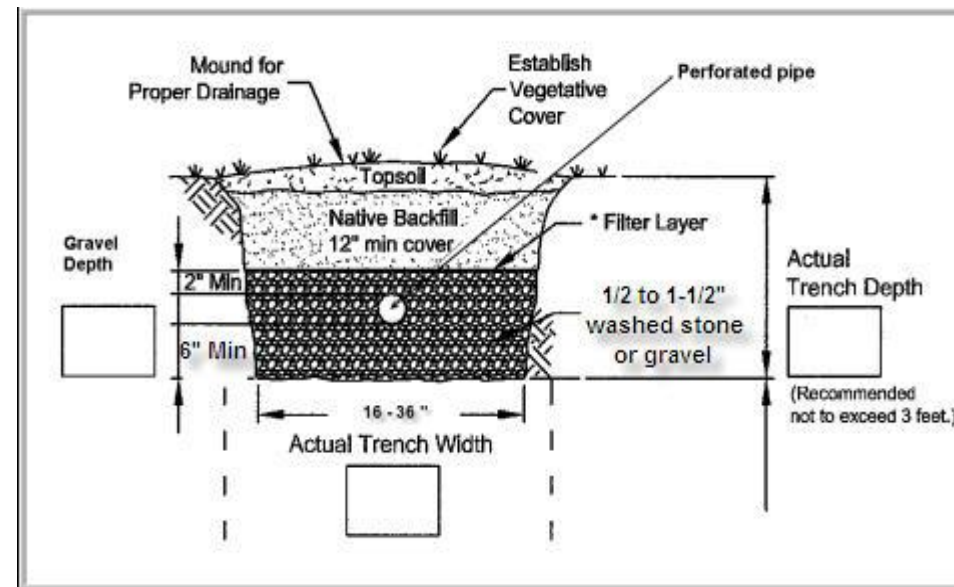
CHAMBER LEACHFIELD

Quick4 Standard Unit (34" x 52" x 12"): Sq Ft needed / 26.5 = # of chambers needed

Biodiffuser ARC 36 Unit (34.5" x 63" x 13"): SqFt needed / 34.7 = # of chambers needed

_____ / _____ = # of chambers needed

The units must be level. Limit runs to < 60 feet. Use flow dividers if there are 2 or more trenches. Rake the bottom of the trench. Walk down soil on the outside edge of the units before covering. 12" of backfill is preferred – shallower is better.



PIPE LEACHFIELD (ROCK AND PERFORATED PIPE)

To compute number of feet needed, use gravel depth x 2 (ie. 12" x 2 sides = 24") plus the trench width (ie. 36"), for a total of 5 feet. If the absorption area table specified 1000, divide this by 5 feet, for a total of 200 feet of perforated pipe and trench. Limit trench length to < 60 ft. DEQ prefers 12" of gravel under pipe. **(Absorption area) / (gravel depth x 2 plus width) = feet of perforated pipe.**

_____ / _____ = Feet of perforated pipe

Permit # _____

**PARK COUNTY
SMALL WASTEWATER
SYSTEM**

APPLICATION & PERMIT



FEE:

New Installation \$150.00

Repair / Replacement \$75.00

Park County Planning & Zoning Department

Park County Courthouse

1002 Sheridan Ave

Cody, WY 82414

Phone 527-8540 or 754-8540

VALID FOR ONE YEAR

The authority to construct granted by this permit does not imply Park County or its Local Officials guarantee this facility, when constructed, will meet applicable discharge permit conditions or operational requirements.

Percolation Test

1. Where the leach field will be located, dig a minimum of three holes spaced uniformly to the expected depth of the leach field trench(s). Keep the side of the holes vertical.
2. Presoak the holes by filling them with water. Let the water seep away and then fill the holes again (soak at least 3 times). Let the holes stand for at least 12 hours before beginning the test.
3. After 12 hours, place a straight edge across the mouth of each hole fill the holes with water to a minimum depth of 12 inches from the straight edge. Record the actual time of measurements. Do this for all three holes. After your predetermined elapsed time (10, 15, or 20 min) re-measure each hole, record the actual time and drop in water depth. During the test do not let the water drop lower than 6 inches from the bottom. Refill the holes as needed. Be sure to indicate this with depth of water on your form.
4. When the drop of water level is consistent for three consecutive measurements (three measurements within 1/8 of an inch) for each hole the test is complete.
5. Calculate the percolation rate for each hole. See equation below the test holes.
6. The important percolation rate for the test is the slowest consistent value recorded.

Percolation Test Results

For (Property Owner's Name) _____

Hole # 1 Depth _____

Hole # 2 Depth _____

Hole # 3 Depth _____

Start	Actual Time	Depth To Water	Elapsed Time	Drop in Inches		Start	Actual Time	Depth To Water	Elapsed Time	Drop in Inches		Start	Actual Time	Depth To Water	Elapsed Time	Drop in Inches	

Elapsed Time Divided by Drop in Inches = Percolation Rate

_____ / _____ = _____ _____ / _____ = _____ _____ / _____ = _____

Percolation Holes Wetted (Date & Time) _____

Percolation Test Conducted (Date & Time) _____

Name of the person(s) Conducting Test _____

Signature of person(s) Conducting Test _____

Telephone # of person(s) Conducting Test _____

Decimal Equivalents:

1/8 = 0.125"

1/4 = 0.25"

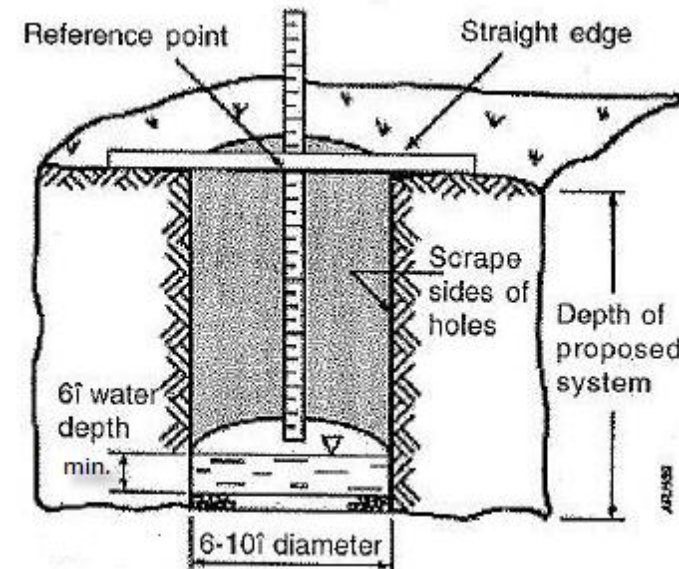
3/8 = 0.375"

1/2 = 0.50"

5/8 = 0.625

3/4 = 0.75"

7/8 = 0.875"



How to Run a Percolation Test

1. Where the leach field will be located, dig a minimum of three holes spaced uniformly to the expected depth of the leach field trench(s). Keep the sides of the holes vertical.
2. Presoak the holes by filling them with water. Let the water seep away and then fill the holes again (soak at least 3 times). Let the holes stand for at least 12 hours before beginning the test.
3. After 12 hours, place a straight edge across the mouth of each hole, and fill the holes with water to a minimum depth of 12 inches from the straight edge. Record the actual time of measurements. Do this for all three holes. After your predetermined elapsed time (10,15,or20 min) re-measure each hole, record the actual time and drop in water depth. During the test do not let the water drop lower than 6 inches from the bottom. Refill the holes as needed. Be sure to indicate this with depth of water on your form.
4. When the drop of water level is consistent for three consecutive measurements (three measurements within 1/8 of an inch) for each hole the test is complete.
5. Calculate the percolation rate for each hole. See equation below the test holes.
6. The important percolation rate for the test is the slowest consistent value recorded.

Percolation Test Results

For (Property Owner's Name) Joe Q. Public

Hole # 1 Depth 33"

Hole # 2 Depth 34 1/4"

Hole # 3 Depth 29 3/4"

Start	Actual Time	Depth To Water	Elapsed Time	Drop in Inches		Start	Actual Time	Depth To Water	Elapsed Time	Drop in Inches		Start	Actual Time	Depth To Water	Elapsed Time	Drop in Inches
<i>Start</i>	9:15	16.125	10	3.125		<i>Start</i>	9:18	12.125	10	.5		<i>Start</i>	9:21	17	10	3.75
	9:25	19.25	10	3.0			9:28	12.625	10	.25			9:31	20.75	10	3.5
	9:35	22.25	10	2.875			9:38	12.875	10	.5			9:41	24.75	10	2
	9:45	25.125	10	2.5			9:48	13.375	10	.375			9:51	26.25	NA	NA
	9:55	27.625	NA	NA			9:58	13.750	10	.375		<i>Refill</i>	9:55	17.875	10	2.75
<i>Refill</i>	10:09	12.5	10	2.375			10:08	14.125	10	.375			10:05	21.625	10	2
	10:19	14.875	10	2.375		<i>End</i>	10:18	14.5	10				10:15	23.625	10	1.5
	10:29	17.25	10	2.375									10:25	25.125	10	1.5
<i>End</i>	10:39	19.625											10:35	26.625	10	1.5
												<i>End</i>	10:45	27.125		

Elapsed Time Divided by Drop in Inches = Percolation Rate

10 / 2.375 = 4.21 10 / .375 = 26.6

10 / 1.5 = 6.6

Percolation Holes Wetted (Date & Time) 5-20-2007 8:00 AM

Percolation Test Conducted (Date & Time) 5-21-2007 5:15 PM

Name of the person(s) Conducting Test John Q Public

Signature of person(s) Conducting Test John Q Public

Telephone # of person(s) Conducting Test 587-0095

Decimal Equivalents:

1/8 = 0.125"

1/4 = 0.25"

3/8 = 0.375"

1/2 = 0.50"

5/8 = 0.625

3/4 = 0.75"

7/8 = 0.875"

